

APPENDIX A: ACEC Reference List by Category

(updated May, 2000)

Botany

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McDonnell, M.J. 1979. The vascular flora of Plum Island, Essex County, Massachusetts with an analysis of the impact of human trampling on the coastal dune vegetation. M.S. thesis, University of New Hampshire. 199 pp.

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Chesmore, A.P., D. Brown, and R.D. Anderson. 1973. A study of the marine resources of Essex Bay. Monograph Series No. 13. Massachusetts Division of Marine Fisheries. Publication No. 2500-4-73-074986. 40 pp.

Hopkinson, C. S., and J.J. Vallino. 1995. The relationship among man's activities in watersheds and estuaries: a model of runoff effects on estuarine community metabolism. *Estuaries* 18:598-621.

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Mosher, T.D. 1976. Comparison of landlocked and estuarine populations of the white perch (Morone americana, Gmelin) in the Parker River, Massachusetts. M.S. Thesis, University of Massachusetts, Amherst.

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Stevenson, Robert D., David C. Mountain, and Becka Roolf. 1998. Parker River alewife assessment. Parker River Clean Water Association.

Geology

Abele, R.W. 1977. Analysis of short term variations in beach morphology for summer and winter periods, 1971-72, Plum Island, Massachusetts. U.S. Army Corps of Engineers, Coastal Engineering Research Center, Fort Belvoir, VA. Miscellaneous Report # 77-5. 101 pp.

Boothroyd, J.C. and D.M. Fitzgerald. 1988. Coastal environments of the Merrimack embayment, northeastern Massachusetts-southeastern New Hampshire. Society of Economic Paleontologists and Mineralogists, Northeastern Section Field Trip. 42pp.

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Hutchins, E., John Catena, M.J James-Pirri, R. Buchsbaum, Wayne Castonguay, and Carl Gustafuson. 1999. Argilla Road salt marsh restoration, Ipswich, Massachusetts. National Marine Fisheries Service. Unpublished document.

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Tiner, R.W. 1999. Wetlands monitoring guidelines: Operational draft. U.S. Fish and Wildlife Service, Ecological Services, Region 5, Northeast, Hadley, MA.

Shellfish

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Wildlife

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Parker River National Wildlife Refuge. List of wildlife/habitat inventories:

- Spotlight white-tailed deer survey. Provides a long-term population index as well as a doe:fawn, doe:buck ratio. October-December.
- Aerial white-tailed deer survey. Provides annual minimum winter population estimate and can be used to assess actual and potential population growth. Winter.
- White tailed deer enclosure study. Monitor and quantify effects of browsing by white-tailed deer to examine effects of deer impacts on plant composition and cover. August, every 2 years.
- Predator scent station survey. Obtains annual population index on various mammalian predators which is used in conjunction with nesting waterfowl and shorebird management. September-October.
- Waterfowl breeding pair survey. Estimates annual number of breeding pairs of waterfowl in the three fresh water impoundments on the refuge. May.
- Waterfowl brood survey. Estimates annual brood production for the three impoundments. June-July.
- Tern survey. Estimates breeding numbers of local tern colonies for assistance to Massachusetts Division of Fisheries and Wildlife. June.
- Piping plover/least tern survey. Monitors population and production of piping plovers and least terns on and surrounding the refuge. March-August.
- Waterfowl, marsh and wading bird, shorebird and raptor survey. Monitors species composition and numbers to determine seasonal and long term use of refuge habitats. Year round.
- Purple martin nest box monitoring. Provide nesting habitat for purple martins and subsequently monitor success of nest box use. April-May, September.
- Osprey platform program. Establish a nesting population of osprey and monitor the success of the platform program. April-August.
- Purple loosestrife biocontrol program. Release *Galerucella* beetles and *Hylobius* weevils and monitor their impact on purple loosestrife growth in fresh water impoundments. June, August.